

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A data processing configuration, comprising:
a data processing system;
a network communication device of the data processing system for enabling the data processing system to communicate with a wired network, wherein the network communication device provides including a wired port suitable for receiving a cable connector;
a first wireless bridge device having a cable connector suitable for insertion in the wired port of the network communication device, wherein the first wireless bridge device further includes an encryption unit for encrypting is configured to encrypt information received from the data processing system according to a predetermined encryption algorithm and a transmitter for transmitting to transmit the encrypted information wirelessly; and
a second wireless bridge device having a cable connector suitable for insertion into a port of the wired network [[port]], wherein the second wireless bridge device includes a receiver for receiving encrypted information transmitted wirelessly from the first wireless bridge device, and a decryption unit for decrypting the is configured to receive information wirelessly and to decrypt received encrypted information according to a decryption algorithm that is matched to the encryption algorithm of the first wireless bridge device, wherein the first and second wireless bridge devices communicate wirelessly exclusively with each other in a wireless manner exclusively.
2. (Currently Amended) The configuration of claim 1, wherein the encryption unit of the first wireless bridge device is configured to format the encrypted information according to a wireless protocol prior to transmitting [[it]] the encrypted information, and wherein the decryption unit of the second wireless bridge device is configured to unformat the wireless protocol prior to decrypting [[it]] the received encrypted information.
3. (Currently Amended) The configuration of claim [[2]] 1, wherein the first and second wireless bridge devices each include an internal power supply for supplying power to the first and second wireless bridge devices respectively wireless protocol is selected from an IEEE 802.11 protocol and a Bluetooth protocol.

4. (Currently Amended) The configuration of claim 2, wherein the first wireless bridge device further includes means for receiving and decrypting information transmitted by the second wireless bridge device, and wherein the second wireless bridge device includes means for encrypting network packets and transmitting the encrypted packets.

5. (Original) The configuration of claim 1, wherein the encryption algorithm is based on an encryption key common to and embedded in the first and second wireless bridge devices.

6. (Original) The configuration of claim 5, wherein the encryption key is at least 128 bits and unique to the first and second wireless bridge devices.

7. (Currently Amended) The configuration of claim 1, wherein the first and second wireless bridge device able connectors are RJ-45 compliant connectors and wherein the network communication device comprises an Ethernet compliant network interface card of the data processing device.

8. (Currently Amended) A wireless bridge suitable for use in a data processing network, comprising:
a first wireless bridge device configured to receive network packets from a network communication device, encrypt the network packets according to an encryption algorithm, and transmit the encrypted packets wirelessly, wherein the first wireless bridge device includes an RJ-45 connector suitable for connecting to an Ethernet compliant NIC; and

a second wireless bridge device configured to receive encrypted network packets from the first wireless bridge device and decrypt the packets according to a decryption algorithm, wherein the second wireless bridge device is configured to connected to an RJ-45 port of a wired local area network, wherein the encryption and decryption algorithms of the first and second wireless bridge devices are unique and matched to each other wherein the first wireless bridge device is capable of communicating information exclusively to the second wireless bridge device exclusively and the second devices wireless bridge device is capable of decoding information exclusively from the first wireless bridge device exclusively.

9. (Currently Amended) The wireless bridge of claim 8, wherein the first wireless bridge device is configured to connect to a network interface card (NIC) of a data processing system.

10. (Canceled)

11. (Canceled)

12. (Currently Amended) The wireless bridge of claim 8, wherein the first wireless bridge device is configured to format the encrypted information according to a wireless protocol prior to transmitting [[it]] the encrypted information, and wherein the second wireless bridge device is configured to unformat the wireless protocol prior to decrypting [[it]] the encrypted information.
13. (Currently Amended) The wireless bridge of claim 12, wherein the wireless protocol is selected from an IEEE 802.11 protocol and a ~~Bluetooth~~ short range wireless protocol.
14. (Currently Amended) The wireless bridge of claim 12, wherein the first wireless bridge device further includes means for receiving and decrypting information transmitted by the second wireless bridge device, and wherein the second wireless bridge device includes means for encrypting network packets and transmitting the encrypted packets.
15. (Original) A method of enabling wireless connection between a data processing device and a local area network, comprising:
providing a first wireless bridge device configured to receive network packets from a network device, encrypt the packets according to an encryption algorithm, and transmit the encrypted packets wirelessly; and
providing a second wireless bridge device configured to receive encrypted network packets from the wireless bridge device and decrypt the packets according to a decryption algorithm wherein the encryption and decryption algorithms of the first and second wireless bridge devices are unique and matched to each other wherein the first wireless bridge device is capable of communicating information exclusively to the second device exclusively and the second devices is capable of decoding information from the first device exclusively.
16. (Original) The method of claim 15, wherein providing the first and second wireless bridge devices is further characterized as providing a first bridge device configured to format the encrypted information according to a wireless protocol prior to transmitting it and providing a second wireless bridge device configured to unformat the wireless protocol prior to decrypting it.
17. (Canceled)

18. (Currently Amended) The method of claim 16, wherein the first wireless bridge device further includes means for receiving and decrypting information transmitted by the second wireless bridge device and wherein the second wireless bridge device includes means for encrypting network packets and transmitting the encrypted packets to the first wireless bridge device.

19. (Original) The method of claim 15, wherein the encryption algorithm is based on an encryption key common to and embedded in the first and second wireless bridge devices.

20. (Original) The method of claim 19, wherein the encryption key is unique to the first and second wireless bridge devices.